

Converting Colors

$Yxy(16.6309, 0.6381, 0.3315)$

Have a look what the booklet for
Yxy(16.6309, 0.6381, 0.3315)
contains.

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Color

Yxy(16.6676, 0.6381, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	E40800
RGB	228, 8, 0
RGB Percent	89%, 3%, 0%
CMY	0.1059, 0.9686, 0.9997
CMYK	0.00, 0.96, 1.00, 0.11
HSL	2°, 100%, 45%
HSV	2°, 100%, 89%
XYZ	32.0832, 16.6676, 1.5285
YIQ	72.8680, 133.6880, 44.1520

Conversions

Conversions Part 2

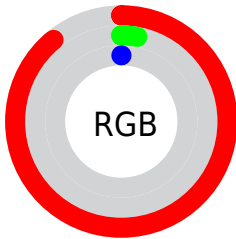
Format	Color
R_{YB}	228, 8, 0
Decimal	14944256
CIE Lab	47.84, 72.97, 61.82
CIE LCh	48, 95.637, 40.271
Yxy	16.6676, 0.6381, 0.3315
Android (android.graphics.Color)	4293134336 (0xFFE40800)
YUV	72.8680, -35.9239, 136.0508
Hunter-Lab	40.8260, 68.8294, 26.3584

Details

The Yxy color **16.6676, 0.6381, 0.3315** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **56.8292, 0.2217, 0.3180**, and the grayscale version is **6.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1998, 0.5587, 0.3563**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.6668, 0.6381, 0.3315**, and if you desaturate by 10%, it is **17.4854, 0.6205, 0.3327**.

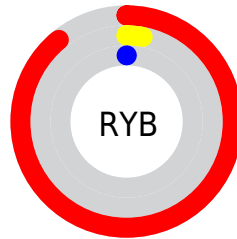
Distribution



Red (89%)

Green (3%)

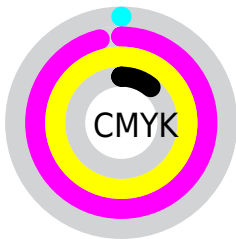
Blue (0%)



Red (89%)

Yellow (3%)

Blue (0%)

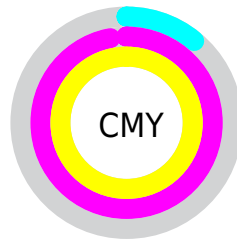


Cyan (0%)

Magenta (96%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (97%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6676, 0.6381, 0.3315 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 16.6676, 0.6381, 0.3315 by changing the saturation by 10% instead.


 16.6676, 0.6381,
0.3315


 16.6676, 0.6381,
0.3315


 233.2495, 0.4658,
0.3583

 9.9978, 0.6783,
0.3142


 37.7534, 0.5782,
0.3503


 5.3975, 0.7168,
0.2832

 52.9381, 0.5543,
0.3546

 2.4823, 0.7625,
0.2375

 71.7300, 0.5339,
0.3570

 0.8678, 0.8262,
0.1738

 94.5133, 0.5162,
0.3583


 0.0000, 1.0000,
0.0000

 121.6725, 0.5010,
0.3589

 0.0000, 0.0000,
0.0000

 153.5921, 0.4877,


0.3589

 190.6562, 0.4760,
0.3587


 16.6676, 0.6381,
0.3315


 16.6676, 0.6381,
0.3315


 16.6668, 0.6381,
0.3315

 17.4854, 0.6205,
0.3327

 19.1474, 0.5880,
0.3340

 21.8195, 0.5445,
0.3346

 25.6275, 0.4971,
0.3345

 30.6790, 0.4519,
0.3339

■ 37.0690, 0.4122,
0.3330

■ 44.8835, 0.3790,
0.3320

■ 54.2012, 0.3519,
0.3309

■ 65.0949, 0.3301,
0.3299

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.6676, 0.5809, 0.2529



16.6676, 0.6381, 0.3315



16.6676, 0.5700, 0.4300

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.6676, 0.6381, 0.3315



16.6676, 0.1730, 0.5975



16.6676, 0.1253, 0.1100

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.6676, 0.6381, 0.3315



56.8292, 0.2217, 0.3180

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.6676, 0.0798, 0.1220



16.6676, 0.6381, 0.3315



16.6676, 0.0919, 0.3392

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.6676, 0.6381, 0.3315



16.6676, 0.2987, 0.6744



16.6676, 0.0683, 0.1810



16.6676, 0.2252, 0.1290

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.6676, 0.6381, 0.3315



16.6676, 0.4861, 0.5139



16.6676, 0.0683, 0.1810



16.6676, 0.1054, 0.1103

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.6687, 0.6381, 0.3315



57.6075, 0.3797, 0.3320



21.6853, 0.3295, 0.1589



11.3702, 0.3930, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.6687, 0.6381, 0.3315



21.4525, 0.6384, 0.3313



30.3257, 0.5327, 0.4152



14.4479, 0.3292, 0.3299



9.6590, 0.6374, 0.3321



0.7423, 0.6301, 0.3379

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56.8292, 0.2217, 0.3180



73.2116, 0.2216, 0.3179



16.0023, 0.1735, 0.1446



16.2459, 0.2982, 0.3281



32.8508, 0.2217, 0.3181



2.4546, 0.2222, 0.3198

Previews

White Background



This preview shows how the Yxy color 16.6676, 0.6381, 0.3315 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.6676, 0.6381, 0.3315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.6676, 0.6381, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 16.6676, 0.6381, 0.3315.



This preview shows how white text looks on a background with the Yxy color 16.6676, 0.6381, 0.3315.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.6676, 0.6381, 0.3315

Protanopia

17.0173, 0.4272, 0.4719

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.7051, 0.6340, 0.3348

Trichromacy



Original Color

16.6676, 0.6381, 0.3315

Protanomaly

13.2119, 0.5422, 0.3934

Deuteranomaly

13.7487, 0.5658, 0.3890

Tritanomaly

16.7015, 0.6359, 0.3333

Monochromacy



Original Color

16.6676, 0.6381, 0.3315

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.0610, 0.5047, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6676, 0.6381, 0.3315 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(228, 8, 0)` looks like.

```
.text, #text, p{  
    color:rgb(228, 8, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(228, 8, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 8, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6676, 0.6381, 0.3315 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 8, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(228, 8, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(228, 8, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 8, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(228, 8, 0); box-shadow:4px  
4px 4px 4px rgb(228, 8, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6676, 0.6381, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 8, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(228, 8,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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